BRUHATH BANGALORE MAHANAGARA PALIKE

Rajarajeshwari Nagara Division

SCHEDULE-B

Name of Work : Providing and laying HDPE Water line in Mutyala Nagara Block-1 in J P Park, Ward No 17.

Agency			Sri K. SHIVAKUMAR		
Sl No	Qty	Item Description	Unit	Rate	
				In Figures	In Words
1	2	3	4	5	6
1	2274.30	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and as directed by the Engineer in charge.	Cum	244.00	Rupees Two Hundred Forty Four Only
2	2494.00	Providing and fixing to wall, ceiling and floor High Density Polyethylene Pipes 6.00 kgf/sq.cm working pressure 90mm outside diameter, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing excluding cost of fittings, complete as per specifications and as directed by the Engineer in charge.	Rmtr	536.00	Rupees Five Hundred Thirty Six Only
3	2580.00	Providing and fixing to wall, ceiling and floor High Density Polyethylene Pipes 10.00 kgf/sq.cm working pressure 25mm outside diameter, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing excluding cost of fittings, complete as per specifications and as directed by the Engineer in charge.	Rmtr	114.00	Rupees One Hundred Fourteen Only
4	412.80	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 20mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications and as directed by the Engineer in charge.	Rmtr	211.00	Rupees Two Hundred Eleven Only
5	344.00	Providing and fixing 25mm dia nipple, complete as per specifications and as directed by the Engineer in charge.	No.	34.00	Rupees Thirty Four Only
6	688.00	Providing and fixing reducer elbow 25mm to 20mm complete as per specifications and as directed by the Engineer in charge.	No.	44.00	Rupees Forty Four Only
7	344.00	Providing and fixing 20mm dia nipple, complete as per specifications and as directed by the Engineer in charge.	No.	22.00	Rupees Twenty Two Only
8	688.00	Providing and fixing HDPE 90 x 32mm saddle with brass nuts and bolts including cost of all materials, labour charges, HOM of equipments and testing excluding cost of fittings, complete as per specifications and as directed by the Engineer in charge.	No.	375.00	Rupees Three Hundred Seventy Five Only
9	344.00	Providing and fixing 20mm dia union, complete as per specifications and as directed by the Engineer in charge.	No.	58.00	Rupees Fifty Eight Only
10	688.00	Providing and fixing 20mm dia hose coller, complete as per specifications and as directed by the Engineer in charge.	No.	28.00	Rupees Twenty Eight Only
11	688.00	Providing and fixing 20mm elbow, complete as per specifications and as directed by the Engineer in charge.	No.	19.00	Rupees Nineteen Only
12	688.00	Providing and fixing 20mm to 15mm reducer elbow, complete as per specifications and as directed by the Engineer in charge.	No.	24.00	Rupees Twenty Four Only
13	344.00	Providing and fixing 20mm NP bib cock complete as per specifications and as directed by the Engineer in charge.	No.	202.00	Rupees Two Hundred Two Only

Signature of Contractor

Executive Engineer
Rajarajeshwari Nagara Division

Sl No	Qty	Item Description	Unit	Rate	
				In Figures	In Words
1	2	3	4	5	6
14	3561.50	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications and as directed by the Engineer in charge.	Cum	65.00	Rupees Sixty Five Only
15	515.25	Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and as directed by the Engineer in charge.	Cum	1203.00	Rupees One Thousand Two Hundred Three Only
16	2061.00	Primer Coat/Tack Coat KSRRB M500-6. Providing and applying Primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and as directed by the Engineer in charge.	Sqm	47.00	Rupees Forty Seven Only
17	103.05	Bituminous macadam KSRRB 500-11. Providing and laying Bituminous Macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH /Chapter 5 60/70 grade bitumen and as directed by the Engineer in charge.	Cum	7205.00	Rupees Seven Thousand Two Hundred Five Only
18	2061.00	Providing and applying Tack Coat on the prepared black topped surfaces at 2.5 kg per 10 sqm. heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 and as directed by the Engineer in charge.	Sqm	19.00	Rupees Nineteen Only
19	51.53	Providing and laying Semi Dense Bituminous Concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.0 to 4.5% by weight of total mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thickness with 5% bitumen 60/70 grade (Grading II) and as directed by the Engineer in charge.	Cum	10451.00	Rupees Ten Thousand Four Hundred Fifty One Only
20	21.33	Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications and as directed by the Engineer in charge.	Cum	4812.00	Rupees Four Thousand Eight Hundred Twelve Only
21	32.00	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs. with 20mm and down size graded granite metal coarse aggregates @0.64cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and as directed by the Engineer in charge.	Cum	5694.00	Rupees Five Thousand Six Hundred Ninety Four Only
22	671.63	Conveying the excavated earth silt debris and over burden earth etc., to a lead of upto 9 to 10 Kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete and as directed by the Engineer in charge.	Cum	101.00	Rupees One Hundred One Only

Thomas J.K

Signature of Contractor

Executive Engineer
Rajarajeshwari Nagara Division
BBMP